

INTERNATIONAL SEARCH REPORT

Internatic pplcation No
PCT/DE 03/0777

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01L1/16 G01D5/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01L G01D G01S G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 144 332 A (SEIFERT FRANZ ET AL) 7 November 2000 (2000-11-07) the whole document	1
A	& EP 0 619 906 A 19 October 1994 (1994-10-19) cited in the application the whole document	1
A	DE 195 14 342 C (SIEMENS AG) 22 February 1996 (1996-02-22) figures 3A,4,9	1
A	JP 61 082131 A (SHIMADZU CORP) 25 April 1986 (1986-04-25) abstract; figures	1
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

25 July 2003

Date of mailing of the international search report

04/08/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 936 447 A (DAIMLER CHRYSLER AG) 18 August 1999 (1999-08-18) column 4, line 33 - column 5, line 57; figures -----	1
A	WO 99 34168 A (BEIERL OTTMAR ; SIEMENS AG (DE); BAUERSCHMIDT PETER (DE)) 8 July 1999 (1999-07-08) page 19, line 11 - line 26; figure 2 -----	1
A	DE 100 18 621 A (SIEMENS AG) 31 October 2001 (2001-10-31) column 3, line 46 - line 56; figures -----	1

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